

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/13793

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 12/66; H04Q 7/20
US CL : 455/403, 424, 445, 560; 370/352, 386; 379/220.01; 709/249

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 455/403, 424, 445, 560; 370/352, 386; 379/220.01; 709/249

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A/P	US 2005/0070288 A1 (BELKIN et al.) 31 March 2005 (31.03.2005), Page 2, Paragraph [0017], Figs. 1-4 & 7-10.	1-20
A	US 2002/0080947 A1 (MIKHAILOV et al.) 27 June 2002 (27.06.2002), Abstract, Page 2, Paragraphs [0030]-[0032], Figs. 1-5.	1-20
A/T	US 2005/0094623 A1 (ROBERT D'ELETTO) 5 May 2005 (05.05.2005), Abstract, Page 1, Paragraph [0007] - Page 2 paragraph [0013], Figs. 1-2.	1-20
A	US 6,522,741 B1 (STEVEN CROWL) 18 February 2003 (18.02.2003), Abstract, Co. 5, Line 37 - Co. 6, Line 63, Figs. 1-3.	1-20
A	US 6,522,655 B1 (KEIJO LAIHO) 18 February 2003 (18.02.2003), Abstract, Co. 1, Lines 28-40, Co. 5, Line 59 - Co. 6, Line 5, Co. 6, Lines 19-36. Figs. 1-6.	1-20

<input type="checkbox"/>	Further documents are listed in the continuation of Box C.	<input type="checkbox"/>	See patent family annex.
Special categories of cited documents:			
"A"	document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"B"	earlier application or patent published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L"	document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search 24 June 2005 (24.06.2005)	Date of mailing of the international search report 18 JUL 2005
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